

**Abstract**

The present invention relates to a device for determining the filling level of a filling material in a container, having a signal-generating unit which generates measuring signals, having an input coupling unit and having an antenna. The input coupling unit couples the measuring signals onto the antenna, and the antenna emits the measuring signals in the direction of the surface of the filling material, and has a receiving/evaluating circuit which receives the measuring signals reflected at the surface of the filling material and determines the filling level in the container via the propagation time of the measuring signals. The antenna has at least one first dielectric layer, wherein the side of the dielectric layer not facing from the filling material bears a feed structure, and wherein the side of the dielectric layer facing the filling material has a plurality of cutouts which at least partially have different dimensions and/or shapes.